Amendments to the Claims:

Please amend the claims to read as follows. This listing of claims replaces all prior versions and listings of claims in the application:

1. (Withdrawn) A micro-pattern embedded optical film that supports growth, identification and measurement of cells.

2. (Withdrawn) The micro-pattern embedded optical film as defined in claim1, wherein said micro-pattern contains straight and curved geometric shapes.

3. (Withdrawn) The micro-pattern embedded optical film as defined in claim1, wherein said micro-pattern contains numbers.

4. (Withdrawn) The micro-pattern embedded optical film as defined in claim1, wherein said micro-pattern contains letters.

5. (Withdrawn) The micro-pattern embedded optical film as defined in claim1, wherein said micro-pattern has dimensions that range from sub-micron to 5 millimeters.

6. (Withdrawn) The micro-pattern embedded optical film as defined in claim1, wherein said micro-pattern contains a coordinate system wherein each location on said optical film may be identified by a set of numbers or letters or combination of numbers and letters.

7. (Withdrawn) The micro-pattern embedded optical film as defined in claim1, wherein said micro-pattern contains a first side and a second side, wherein said first side contains embedded micro-patterns, wherein said second side contains no micro-pattern.

8. (Withdrawn) The micro-pattern embedded optical film as defined in claim1, wherein said micro-pattern contains a first side and a second side, wherein said first side and said second side both contain embedded micro-patterns.

9. (Withdrawn) The micro-pattern embedded optical film as defined in claim1, wherein said optical film has a plastic substrate.

10. (Canceled)

11. (Canceled)

12. (Canceled)

13. (Canceled)

14. (Currently amended) ~~An apparatus with a micro pattern embedded optical film that supports~~ A device for growth, identification and measurement of cells~~, said apparatus containing a micro pattern embedded optical film and supporting components.~~ comprising:

a micro-pattern embedded plastic optical film having a plurality of regions formed by contrast features, each of said regions having a unique identifier and each of said contrast features observable during microscopic viewing; and

a supporting component bonded to said micro-pattern embedded plastic optical film, said supporting component and said micro-pattern embedded plastic optical film defining a volume for holding a liquid.

15. (Currently amended) The apparatus as defined in claim 14, wherein said micro-pattern embedded optical film ~~has~~ further comprises a plastic substrate and wherein said micro-pattern embedded optical film is disposed on said plastic substrate.

16. (Currently amended) The apparatus as defined in claim 14, wherein said micro-pattern embedded optical film and said supporting components are ~~connected~~ bonded by an adhesive layer.

17. (Currently amended) The apparatus as defined in claim 16, wherein said adhesive layer ~~is made of~~ comprises a pressure sensitive adhesive.

18. (Currently amended) The apparatus as defined in claim 16, wherein said adhesive layer ~~is made of~~ comprises an energy curable adhesive.

19. (Currently amended) The ~~apparatus~~ device as defined in claim 14, wherein said ~~apparatus contains~~ supporting component has a shape defining a plurality of ~~assay locations~~ wells each adapted for performing an assay.

20. (Canceled)

21. (New) The device as defined in claim 14 wherein the contrast features comprise recessed areas having a depth.

22. (New) The device as defined in claim 14 wherein the contrast features comprise protrusions having a height.